

Claim Amendments

1. (currently amended) A line card for a telecommunication system, comprising:
a multiple mode circuit installed in equipment at a central office that provides at least one of POTS service and ISDN service on a single subscriber line supplied to a subscriber's residence as a single twisted pair of wires while concurrently providing one of a plurality of types of xDSL telecommunication service on said single subscriber line, the multiple mode circuit including a controller that receives the instructions from an external device with regard to a the plurality of telecommunication services and configures the multiple mode circuit to operate said plurality of telecommunication services, wherein the external device comprises one of a broad band element management system, a PSTN switch, and a PSTN maintenance center, the controller changing in response to a command received from a subscriber from a first type of xDSL telecommunication service to a second type of xDSL telecommunication service during an ongoing subscriber communication session of a subscriber on the single subscriber line with another party, the multiple mode circuit having a first interface that supports xDSL telecommunication service and the first interface supporting at least one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.

2-4. Canceled.

5. (currently amended) The line card of claim 12, wherein the multiple mode circuit comprises: a second interface that supports at least one of the ISDN-telecommunication service and the POTS service.

6. (original) The line card of claim 5, wherein the second interface supports at least one of 2B1Q ISDN service and 4B3T ISDN service.

7. (previously presented) The line card of claim 5, wherein the second interface supports POTS with periodic pulse metering (PPM) service.

8. (original) The line card of claim 7, wherein the second interface supports at least one of 12 kHz PPM service and 16 kHz PPM service.

9. (original) The line card of claim 1, wherein the plurality of telecommunications services includes P- Phone service.

10. (previously presented) The line card of claim 1, wherein the plurality of telecommunication services includes digital added mainline (DAML) service.
- 11 -14. Canceled.
15. (previously presented) The line card of claim 1 wherein the controller includes means for receiving a signal from the subscriber during the ongoing communication session where the signal is a request for a change from the first type of xDSL telecommunication service to the second type of xDSL telecommunication service.
16. (original) The line card of claim 15, wherein the controller changes the configuration during a communication session based on information received via a handshake signal.
- 17 - 18. Canceled.
19. (currently amended) The line card of claim 1, wherein the multiple mode circuit further comprises: a first interface that supports xDSL telecommunication service.
20. (currently amended) The line card of claim 19, wherein the multiple mode circuit supports the xDSL service-substantially concomitant with one of the POTS service and the POTS with PPM service.
21. (original) The line card of claim 19, wherein the first interface supports any one of asymmetric digital subscriber line service, asymmetric digital subscriber line lite service, and very high bit rate digital subscriber line service.
22. (original) The line card of claim 19, wherein the multiple mode circuit comprises: a second interface that supports the POTS service and the POTS with PPM service.
23. (previously presented) The line card of claim 1, wherein the multiple mode circuit supports ISDN service.
24. (original) The line card of claim 23, wherein multiple mode circuit supports any one of 2B1Q ISDN service and 4B3T ISDN service.
25. (currently amended) The line card of claim 23, wherein the multiple mode circuit supports the ISDN service-substantially concomitant with the xDSL digital subscriber line services.
26. (previously presented) The line card of claim 1, wherein the multiple mode circuit supports P phone service.
27. (previously presented) The line card of claim 1, wherein the multiple mode circuit comprises:

an automatic mode circuit that configures the multiple mode circuit.

28. (original) The line card of claim 27, wherein the automatic mode circuit configures the multiple mode circuit to operate a combination of the plurality of telecommunication services.

29. (currently amended) The line card of claim 28, wherein the automatic mode circuit comprises: thea controller that receives instructions with regard to the plurality of telecommunication services and controls the multiple mode circuit in accordance with the instructions.

30. (currently amended) The line card of claim 29, wherein the controller receives the instructions from thean external device.

31 – 41. Canceled.

42. (currently amended) A method for supporting multiple telecommunication services in a line card comprising the steps of:

selecting at one line card installed in equipment at a central office either a first operational mode or a second operational mode for the line card, wherein the first operational mode provides concomitant operation of one type of xDSL telecommunication service and POTS service on a single subscriber line supplied to a subscriber's residence as a single twisted pair of wires, and the second operational mode provides concomitant operation of another type of xDSL telecommunication service and POTS service on the single subscriber line;

separating the xDSL telecommunication signals and POTS signals, and processing the xDSL telecommunication signals and the POTS signals;

changing upon receipt of a command from a subscriber from the one type of xDSL telecommunication service to the another type of xDSL telecommunication service during an ongoing subscriber communication session of a subscriber on the single subscriber line with another party;

receiving a signal from the subscriber during the ongoing communication session where the signal is a request for a change from the one type of xDSL telecommunication service to the another type of xDSL telecommunication service.

43. Canceled

44. (currently amended) The method of claim 4243, wherein the step of receiving instructions comprises the step of receiving the instructions in a handshake signal.

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45. (original) The method of claim 42, wherein the step of selecting comprises:
monitoring operation of the line card; and
selecting an operational mode based on operation of the line card.

46. (original) The method of claim 42, wherein the xDSL telecommunication service
comprises any one of asymmetric digital subscriber line service, asymmetric digital subscriber
line lite service, and very high bit rate digital subscriber line service.

47 - 58. Canceled.